

DQA:

Art

Date: 15/03/18



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed:

Art

Date: 15/03/18

Work Order update only ☐

Work Order: <u>127876</u>	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☒ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS			
Part No. <u>649 5310</u>		Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐
NCR No. <u>15-4636</u>		Machining ☒	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐
		Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐
		Large Fab ☐	Composite ☐	Supplier ☐	

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design	15-02-07	110	2	Dimension 358 $\pm$ 0.02/-0.0 is under tolerance by 0.3"		Parts Acceptable - Per Attached E-mail.	15-02-07		
Doc/Data	DAS 20 9-89						DAS 20 9-89		
Equip/Tooling									
Handling/Pre									
Material									
Operator	☒			RL. Setup, 1 all sets. were not reversed / operator error.	<i>S</i> 252042 15/02/11	Parts were made in case parts were replaced w/mach. <u>B130175</u>		<i>Art</i> 15/02/11 DAS 14 9-89	<i>Art</i> 15/02/11 DAS 29 9-89
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☒ Outside Dimensions ☒ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge	☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Work Order ID 127876

December-17-14 1:58:38 PM

127876

Page 2

Item ID: 649.5310 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Lower Deflector
Start Date: 12/17/14 Start Qty: 4.00 ***4*** Cust Item ID:
Required Date: 12/17/14 Req'd Qty: 4.00 ***4*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC2- Inspect parts off machine FAI/FAIB	0.00							DAS 20 9-89 15-02-07
120									
QC	Memo	0.00							
Quality Control									
130	QC8- Inspect parts - second check	0.00							DAS 14 9-89 15/02/11
130									
QC	Memo	0.00							
Quality Control									
140	Outsource process-Anodize per QSI017 4.1.10.1	0.00							
140									
Outsource4	Memo	0.00							
Outsource process - Anodize	Issue P/O to ATG : <u>27605</u>								
	1- Black Anodize as per Dwg 649.5300								
	2- PRIME AS PER DWG, SEE NOTE #2								
	Certification of Comformity is required								

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐															
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐															
Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other _____ _____ _____ _____
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DQA: _____ Date: _____



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Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Design									
Doc/Data									
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Work Order ID 127876***127876***

Page 4

Item ID: 649.5310

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Lower Deflector

Start Date: 12/17/14 Start Qty: 4.00

4

Cust Item ID:

Required Date: 12/17/14 Req'd Qty: 4.00

4

Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start

NR1

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

190

QC21 - Final Inspection - Work Order Release

0.00

190

QC

Memo

0.00

Quality Control

14-9-1503-07

ME

15-3-9

DQA: _____ Date: _____



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Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
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Training									
Transport									
Unapproved									

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Picklist Print

December-17-14 1:58:38 PM

Page 1

Work Order ID: 127876

127876

Parent Item: 649.5310

649 5310

Parent Item Name: Lower Deflector

Start Date: 12/17/14

Required Date: 12/17/14

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP REV. A NEW ISSUE JFS 13/09/27 VERIFY BY: DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M7075T6B0.375X6.000		Purchased	No				f	36.0000		4			
M7075T6B0 375X6 000									**		DAS		
7075-T6 Plate 0.375" X 6.000", QQ-A 250/12											44	15/02/05	
											9-89		

Location

Loc Qty

Loc Code

MAT005

36

M127539

2

* M130175

34

3' + 1.510'

DAS

20

9-89

15-02-07

DQA: _____ Date: _____



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Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
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Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
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Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other _____ _____ _____ _____
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FIRST ARTICLE INSPECTION CHECKLIST

Rev	Date	Change	Revised by	Approved
A	14.06.09	New Issue	KJ 	

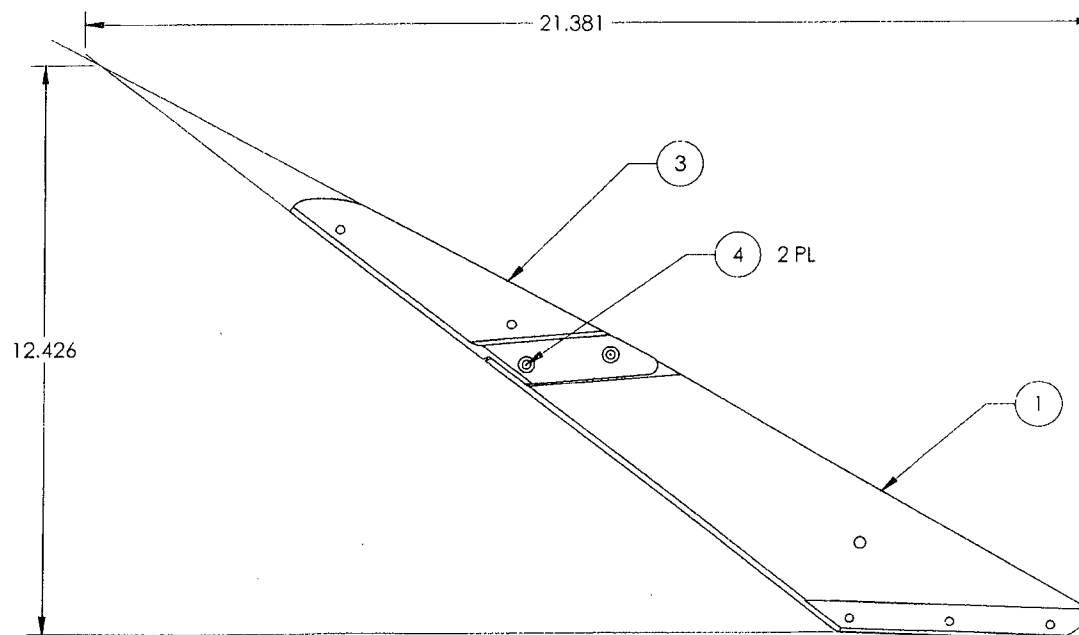
APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 04744				SHEET 1 OF 1	
	DWG NO. 649.5300		REV: C	PREPARED BY T. CROSS	DATE: 11-18-14	EFFECT ON DWG ☐ INC. ☒ UNINC.
	DWG TITLE: DEFLECTORS					
	APPROVED BY: ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFFECT NEXT ORDER		
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: REVISED BOM					ECR: D-14-08

SHOP COPY
 RETURN TO
 ENGINEERING
 UNCONTROLLED COPY
 SUBJECT TO AMENDMENT
 WITHOUT NOTICE
 WORK ORDER
 NO. 127876 MLC
 14-12-19

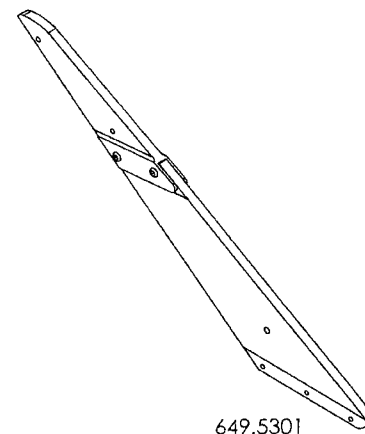
4	R	601.3122	2	RIVET	MS20470AD6-14	
F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:				☐ MDL ☐ INSTALL INSTRU ☐ ICA ☒ BOM	CHANGE CATEGORY ☐ MAJOR ☒ MINOR	DER REVIEW REQUIRED ☐ YES ☒ NO

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

- 1 MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12
- 2 FINISH: HARD ANODIZE IAQ MIL-A-8625 TYPE III, CLASS 2, COLOR BLACK;
PRE TREAT PRC-DESOTO PR-148 ADHESION PROMOTER;
PRIMER IAW MIL-P-23377J TYPE I CLASS N; 1-2 MIL MAX
- 3 DEBURR AND BREAK ALL SHARP EDGES
- 4 IDENTIFY IAW MPP-120
- 5 APPLY F/N 5 AS REQUIRED TO ALL FAYING SURFACES OF F/N 2 & 3 UPON ASSY



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	LAST PROTOTYPE REVISION: PM		IAA
1/NC	INITIAL RELEASE	12/06/11	P. BRAVO
A	INCORPORATED ECN'S 03413, 03421 AND 03486	04/16/12	P. BRAVO
B	INCORPORATED ECN C3503	05/23/12	P. BRAVO
C	INCORPORATED ECN 04037	05/13/13	P. BRAVO



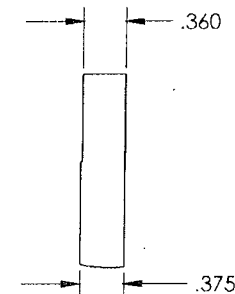
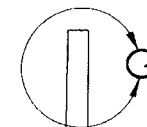
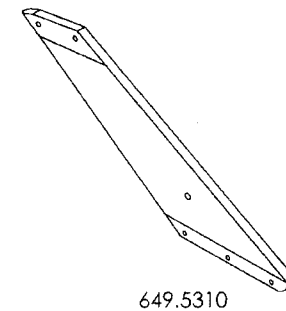
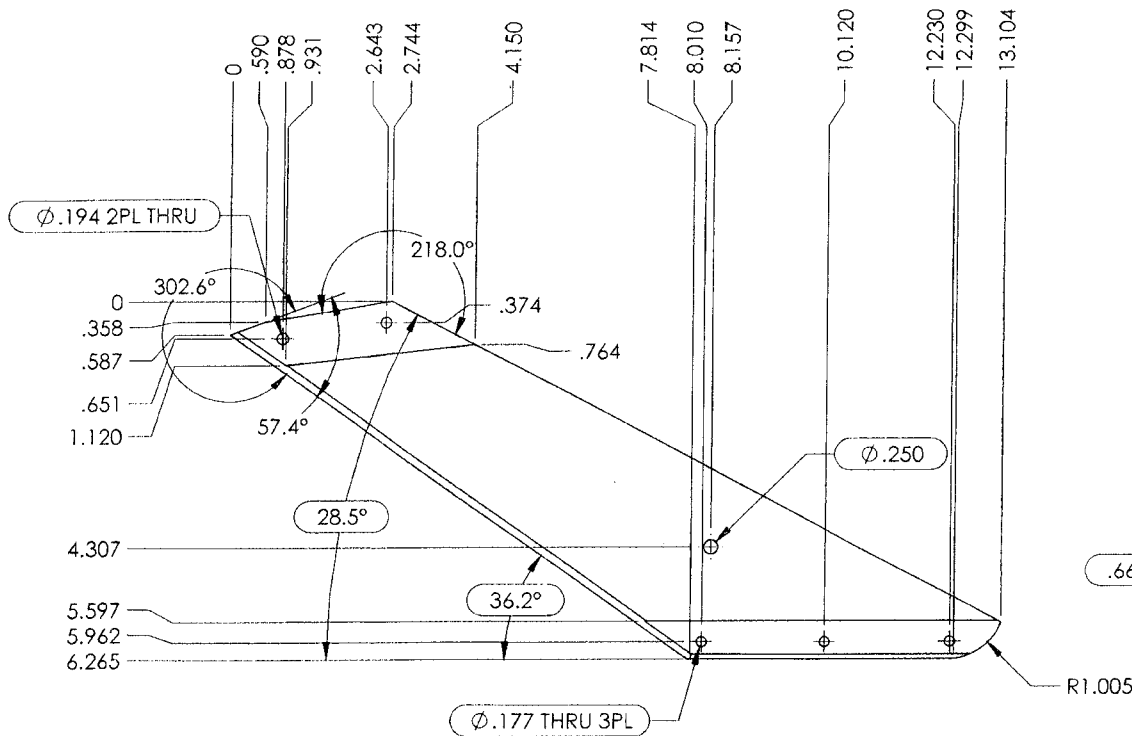
UNINCORPORATED ECN(s)

04744

A/R	5	601.2045	RIV, LOCTITE 598		△
2	4	601.3074	RIVET	MS20470AD6-12	
1	3	649.5312	BREAKAWAY TIP		△△
	2	649.5311	UPPER DEFLECTOR		△△
1	1	649.5310	LOWER DEFLECTOR		△△
		649.5301	LOWER DEFLECTOR ASSY		
	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
PARTS LIST					
QTY			APICAL INDUSTRIES		
NEXT ASSY(S)			2608 TEMPLE HEIGHTS DR.		
649.4900			OCEANSIDE, CA. 92056-3512 (760)724-5300		
			DEFLECTORS		
			SCALE: NONE		
			SHEET 1 OF 4		

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A
B
C
D



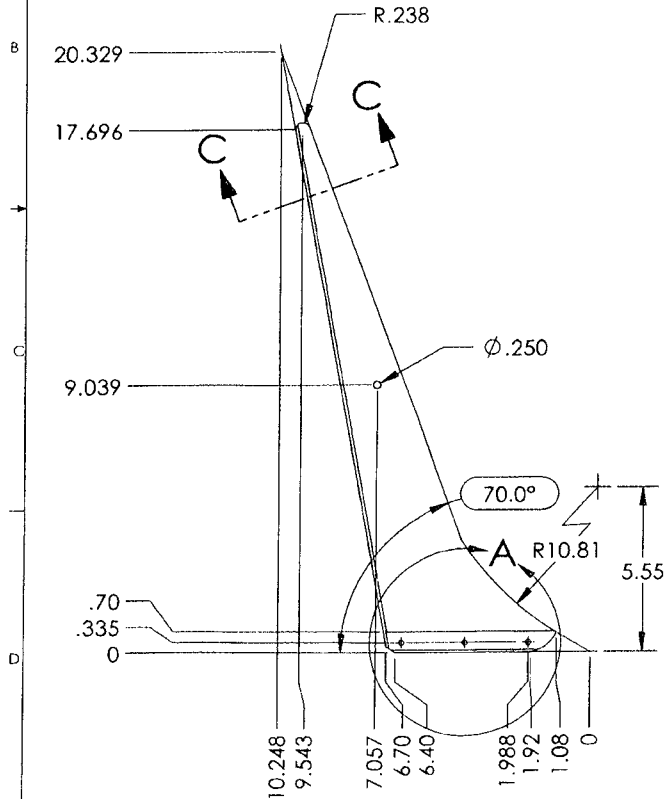
DETAIL G

ORIGINAL DATE: 12-06-11		APICAL INDUSTRIES	
DRAWN BY: A. QUINN		2608 TEMPLE HEIGHTS DR.	
CHECKED BY: P. BOYD		OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL:		DEFLECTORS	
DATE: 11-25-2011		649.5300	
UNLESS OTHERWISE SPECIFIED:		SCALE: NONE	SHEET 2 OF 4
DIMENSIONS ARE IN INCHES			
2 PLACES DECIMALS			
3 PLACES DECIMALS			
4 PLACES DECIMALS			
5 PLACES DECIMALS			
6 PLACES DECIMALS			
7 PLACES DECIMALS			
8 PLACES DECIMALS			
9 PLACES DECIMALS			
10 PLACES DECIMALS			

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.13 X 45° 2PL

SECTION C-C



Ø.177 THRU 3 PL

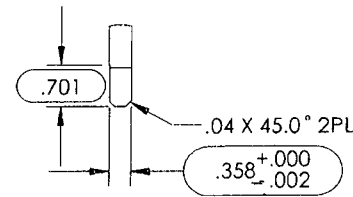
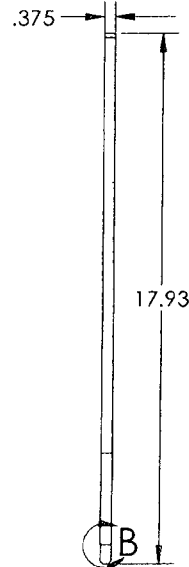
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R1.100

2.109±.002

4.219±.002

DETAIL A

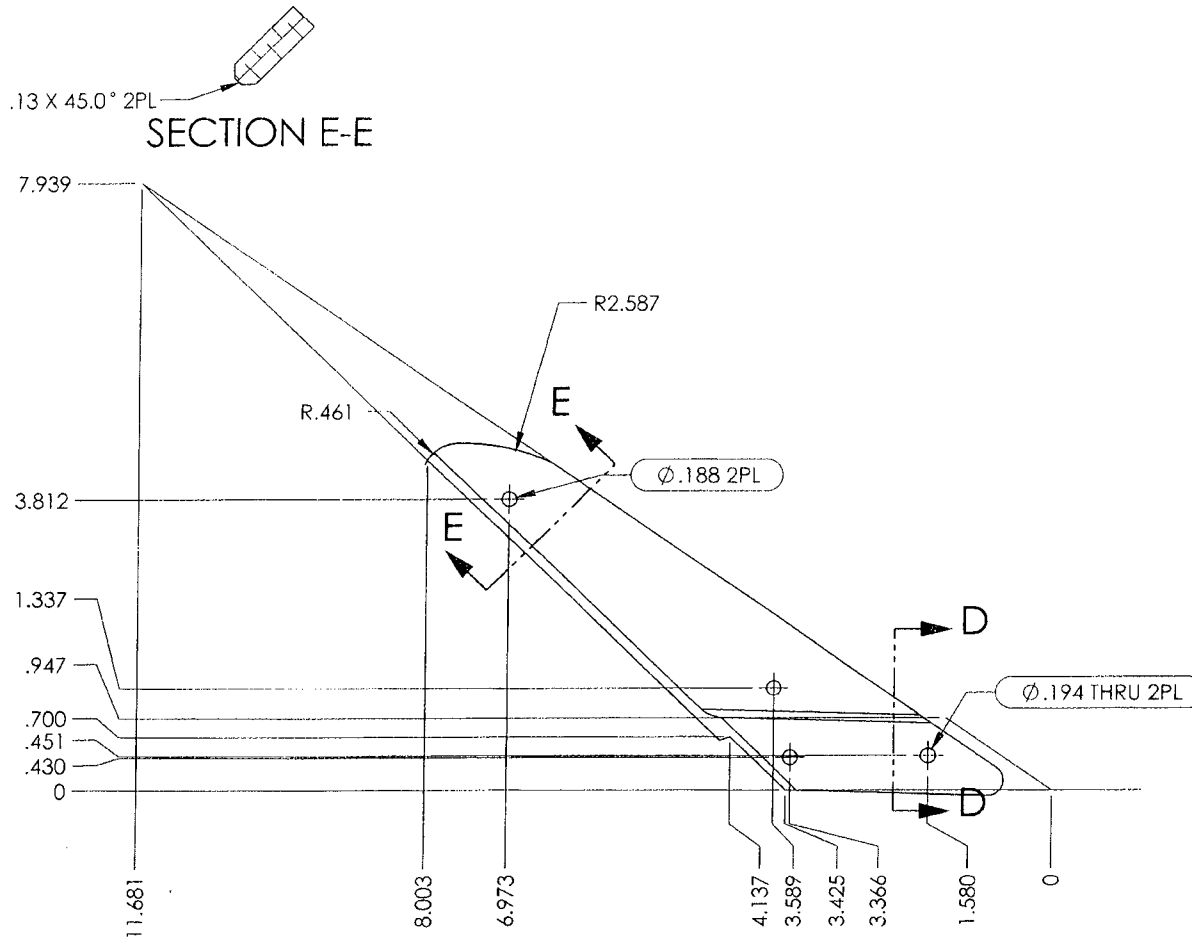


DETAIL B

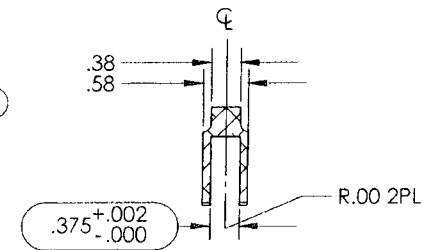
649.5311

ORIGINAL DATE (MM-DD-YY) 12-06-11		APICAL INDUSTRIES	
DRAWN BY A. QUINN	CHECKED P. BRAVO	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO (12-06-11)		DEFLECTORS	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.03 3 PLACE DECIMALS ±.010 ANGLES ±.5°		SHEET B	REV. C
CAGE CODE 07M26		DWG. NO. 649.5300	SHEET 3 OF 4
SCALE NONE			

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES AND REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.



649.5312



ORIGINAL DATE 2/20/01		APICAL INDUSTRIES	
2/20/01		2608 TEMPLE HEIGHTS DR.	
A. GILLES		OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL		DEFLECTORS	
1/20/01		649.5300	
CONSTRUCTION		C	
UNLESS OTHERWISE SPECIFIED		SCALE: NONE	
ALL DIMENSIONS ARE IN INCHES		SHEET 4 OF 4	
2 PLATE DIMENSIONS: 1.00			
3 PLATE DIMENSIONS: 1.00			
ANGLES: 2.5°			

Jean-Luc Menard

From: Pablo Bravo
Sent: February-11-15 1:39 PM
To: Jean-Luc Menard
Subject: RE: 649.5310 DEVIATION

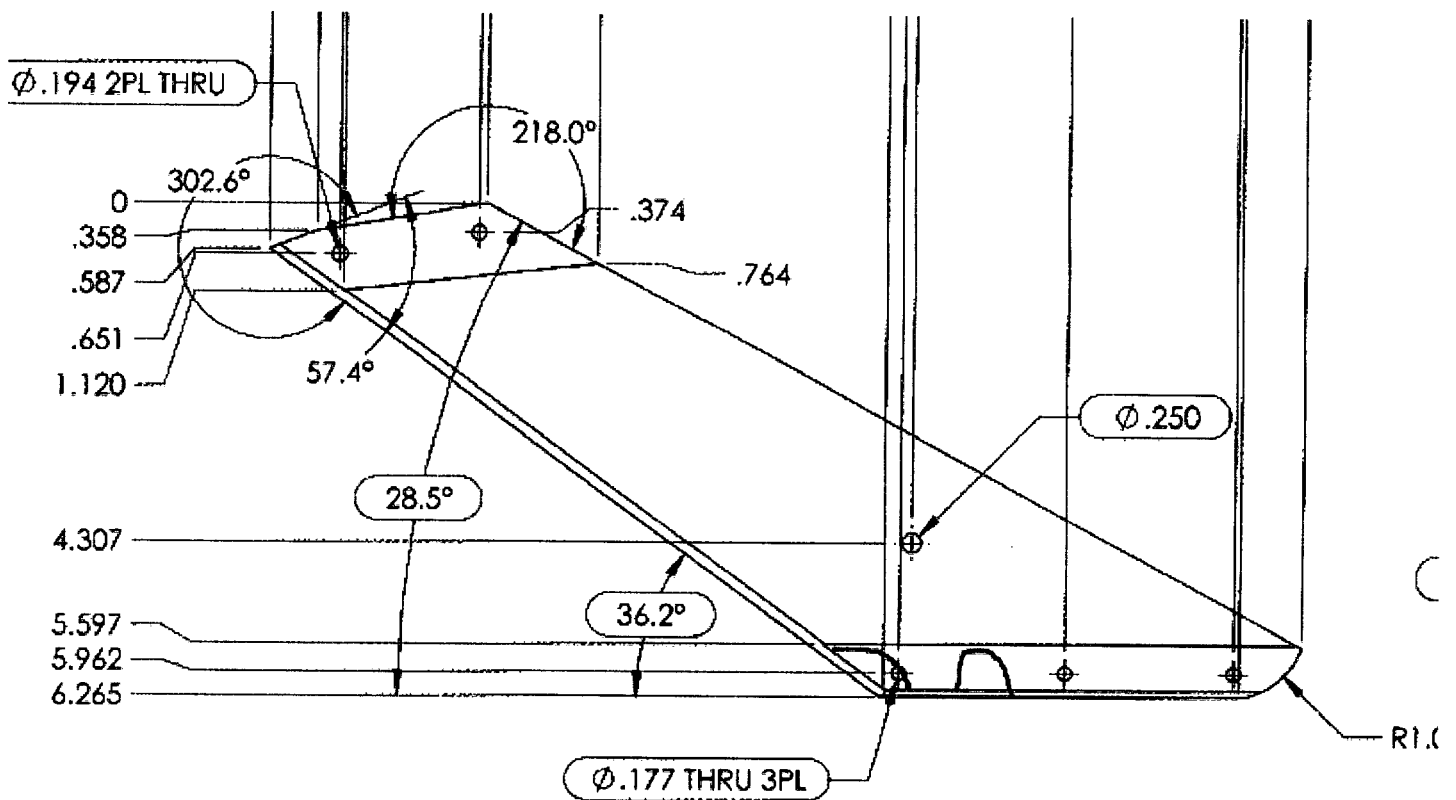
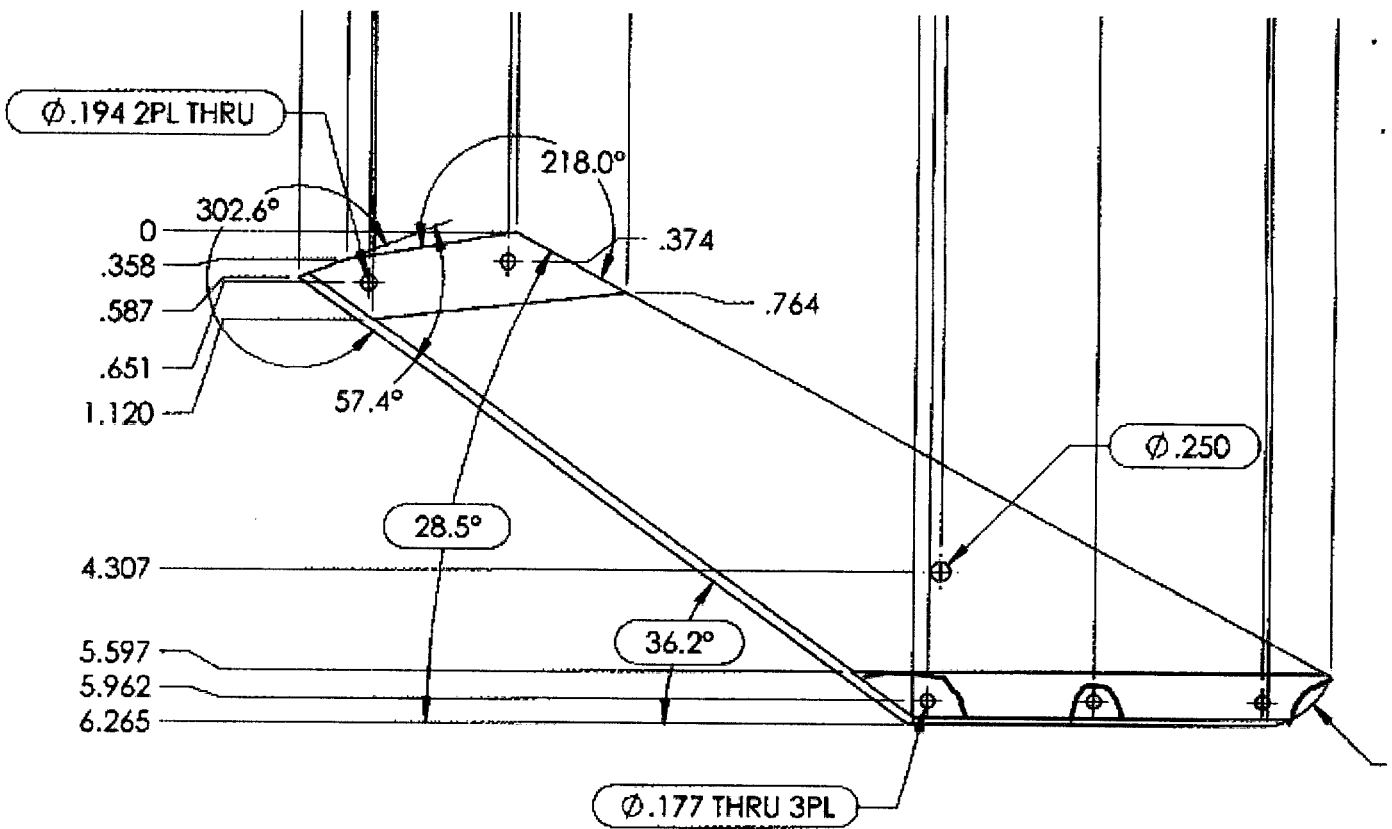
JL,

The parts should be okay. They will be loose when they get put into the 649.4901 assembly, but this should be corrected on the aircraft once the struts are installed.

Pablo

From: Jean-Luc Menard
Sent: Wednesday, February 11, 2015 7:14 AM
To: Pablo Bravo
Subject: 649.5310 DEVIATION

Hi Pablo,
We have two parts that range from .355"-357" in shown areas, other areas are within tol, is this acceptable?
See below,
Thx
JL



Jean-Luc Ménard
Production Engineering Supervisor

DART AEROSPACE
T 1 613 632-5200 > 227
F 1 613 632-5246
1 800 556- 4166
www.dartaerospace.com





A.T.G. Industries Inc.
731, rue Industrielle Rd.
PLATING DEPARTMENT
Rockland, On K4K 1T2
Canada
Ph: (613) 446-4544
Fax: (613) 446-4556

Pack List

Number: 63569

Date: 04-Mar-15

To

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7
Canada

Ship To

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7
Canada

Ph: 613-632-5200

Fax: 613-632-1185

Ph: 613-632-5200

Fax: 613-632-1185

Terms		Ship Via	
Quantity	Description		
1 ea	Part: D2224 RAPPEL ANCHOR RED ANODIZE AS PER MIL-A-8625 TY II CL 2 MINMUM RUN Job: 20150185 5 PCS	Rev: PO: PO27605 Line:	
6 ea	Part: D4726-1 HANDLE REV.A HARD ANODIZE BLACK MIL-A-8625 TYPE III CLASS 2 Job: 20150186	Rev: PO: PO27605 Line:	
4 ea	Part: 647.3917 DOUBLER HARD ANODIZE MIL-A-8625 TY III CL 2 PRIME MIL-P-23377J TYPE I CLASS N PRIMER SUPPLY CUSTOMER Job: 20150187	Rev: C PO: PO27605 Line:	
16 ea	Part: 647.4111 DOUBLER HARD ANODIZE AS PER MIL-A-8625 TY III, CLASS 2 PRIME AS PER MIL-P-23377J TYPE I CLASS N PRIMER IS SUPPLY BY THE CUSTOMER Job: 20150188	Rev: N/C PO: PO27605 Line:	
6 ea	Part: 649.5310 HARD ANODIZE BLACK MIL-A-8625 TYPE III CLASS 2 PRIME MIL-P-23377J TYPE I CLASS N	Rev: 5/03/15 SE	



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HAWKESBURY, ON K6A 1K7
Canada

Ph: 613-632-5200

Fax: 613-632-1185

Ph: 613-632-5200

Fax: 613-632-1185

Terms		Ship Via	
Quantity		Description	
		PRIMER IS SUPPLY BY CUSTOMER Job: 20150189 PO: PO27605 Line:	
4 ea	Part: 650.9201 Rev: HARD ANODIZE BLACK MIL-A-8625 TYPE III CLASS 2 PRIME MIL-P-23377J TYPE I CLASS N PRIMER IS SUPPLY BY CUSTOMER Job: 20150190 PO: PO27605 Line:		
Certificate of Conformance A.T.G. Industries certifies that all items in this shipment are in conformance with all requirements, specifications and drawings referenced in the purchase order. ISO 9001 : 2008 REGISTERED ATG SALES-2010 TERMS APPLY DATE: <u>4/3/15</u> 15/03/15 50 CERTIFIED SIGNATURE: <u></u> RECEIVER SIGNATURE: _____			



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO27605**

Purchase Order Date 2/27/2015

PO Print Date 3/3/2015

Page Number 1 of 4

Order From :

VC-ATG001

A.T.G. INDUSTRIES INC.
731 INDUSTRIELLE ROAD
ROCKLAND, ON K4K 1T2
CANADA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 613-446-4544

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	126418	D2224 RAPPEL ANCHOR REV. E	3/5/2015 Yes 3/5/2015 FINISH: RED ANODIZE AS PER MIL-A-8625F TYPE I OR IB / IC / II / IIB CLASS 2		5.00	\$25.00	\$125.00
Line Total:							\$125.00
2	128523	D4726-1 HANDLE REV. A	3/5/2015 Yes 3/5/2015 FINISH: BLACK ANODIZE AS PER MIL-8625F TYPE III, CLASS 2		6.00	\$2.70	\$16.20
Line Total:							\$16.20

Note:

3/3/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO27605**

Purchase Order Date 2/27/2015

PO Print Date 3/3/2015

Page Number 3 of 4

Order From :

VC-ATG001

A.T.G. INDUSTRIES INC.
731 INDUSTRIELLE ROAD
ROCKLAND, ON K4K 1T2
CANADA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 613-446-4544

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Line Total: \$68.70

6	71401-45	PROCUREMENT QUALITY CLAUSES	3/3/2015	1.00	\$0.00	\$0.00
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No

Procurement Quality Clauses

3/3/2015

A004 FAA-PMA /TSO

A005 RIGHT OF ENTRY

A016 PERSONNEL QUALIFICATION

A024 PROCESS CERTIFICATIONS

A025 CERTIFICATE OF CONFORMANCE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENTS

Line Total: \$0.00

7	129589	650.9201 EYELET BRACKET REV.N/C	3/4/2015	4.00	\$6.60	\$26.40
---	--------	------------------------------------	----------	------	--------	---------

Yes

3/4/2015

FINISH: HARD BLACK ANODIZE AS PER IAW MIL-A-8625 TYPE III, CLASS 2
PRIME: AS PER IAW MIL-P-23377J TYPE I, CLASS N

15/03/04
SP

Note:

3/3/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO27605

Purchase Order Date 2/27/2015

PO Print Date 3/3/2015

Page Number 2 of 4

Order From :

VC-ATG001

Ship To :

DART AEROSPACE LTD

A.T.G. INDUSTRIES INC.
731 INDUSTRIELLE ROAD
ROCKLAND, ON K4K 1T2
CANADA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

613-446-4544

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Ship To Contact

Ship To Phone

Ship Via:

VENDOR'S TRUCK

Ship Acct:

3	130171	647.3917 DOUBLER REV. C	3/3/2015	4.00	\$6.60	\$26.40
---	--------	----------------------------	----------	------	--------	---------

Yes

3/3/2015

FINISH: HARD BLACK ANODIZE AS PER IAW MIL-A-8625 TYPE III, CLASS 2

PRIME: AS PER IAW MIL-P-23377J TYPE I, CLASS N

RUSH ORDER NEED BY MARCH 3

Line Total: \$26.40

4	120743	647.4111 REV. N/C	3/5/2015	16.00	\$7.90	\$126.40
---	--------	-------------------	----------	-------	--------	----------

Yes

3/6/2015

FINISH: HARD BLACK ANODIZE AS PER IAW MIL-A-8625 TYPE III, CLASS 2

PRIME: AS PER IAW MIL-P-23377J TYPE I, CLASS N

Line Total: \$126.40

5	127876	649.5310 LOWER DEFLECTOR REV. C	3/5/2015	6.00	\$11.45	\$68.70
---	--------	------------------------------------	----------	------	---------	---------

Yes

3/5/2015

FINISH: HARD BLACK ANODIZE AS PER IAW MIL-A-8625 TYPE III, CLASS 2

PRIME: AS PER IAW MIL-P-23377J TYPE I, CLASS N

Note:

3/3/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO27605**

Purchase Order Date 2/27/2015

PO Print Date 3/3/2015

Page Number 4 of 4

Order From :

VC-ATG001

Ship To : DART AEROSPACE LTD

A.T.G. INDUSTRIES INC.
731 INDUSTRIELLE ROAD
ROCKLAND, ON K4K 1T2
CANADA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

613-446-4544

Ship To Contact

Ship To Phone

Ship Via:

VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Line Total: \$26.40

PO Total: \$389.10

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 3

Change Date: 3/3/2015

1	126418/D2224	RED ANODIZE	5	LOT 125.00	
2	128523/D4726-1	HARD ANODIZE BLACK	6	\$2.70	
3	130171/647.3917	HARD ANO BLACK/PRIME	4	\$6.60	
4	120743/647.4111	HARD ANO BLACK/PRIME	16	\$7.90	
5	127876/649.5310	HARD ANO BLACK/PRIME	6	\$11.45	
6	129589/650.9201	HARD ANO BLACK/PRIME	4	\$6.60	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

PO27605 QUOTE ONLY

ATG IS NOT DOING ANY Pretreatment as per cardinal's 4860-50 AND
PRETREAT PRC-DESOTO PR-148

Repeat order.

1	126418/D2224	RED ANODIZE	5	LOT 125.00	
2	128523/D4726-1	HARD ANODIZE BLACK	6	\$2.70	
3	130171/647.3917	HARD ANO BLACK/PRIME	4	\$6.60	
4	120743/647.4111	HARD ANO BLACK/PRIME	16	\$7.90	
5	127876/649.5310	HARD ANO BLACK/PRIME	6	\$11.45	
6	129589/650.9201	HARD ANO BLACK/PRIME	4	\$6.60	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

PO27605 QUOTE ONLY

ATG IS NOT DOING ANY Pretreatment as per cardinal's 4860-50 AND
PRETREAT PRC-DESOTO PR-148

Repeat order.